

REDUCTION OF SULFUR, NITROGEN OXIDES AND  
VOLATILE TRACE METALS FROM  
COMBUSTION IN FURNACES AND BOILERS

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ABSTRACT

A method for reducing the cost of emission control by utilizing a combination of  
low cost, combustion and post-combustion processes to eliminate emissions of sulfur and  
nitrogen oxides, and trace metals, including mercury, and trace dioxins and furans. These  
processes are applied sequentially to the combustion flow train of an air-cooled, slagging  
combustor-boiler, and include two groups of process steps. One group is implemented in  
the combustor and the other in post combustion zones.

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